

=&gt; d his full

(FILE 'HOME' ENTERED AT 11:35:57 ON 24 APR 2009)

FILE 'REGISTRY' ENTERED AT 11:36:09 ON 24 APR 2009

L1 STRUCTURE UPLOADED  
 L2 3 SEA SSS SAM L1  
 D SCA

FILE 'ZCAPLUS' ENTERED AT 11:37:37 ON 24 APR 2009

E US2006-583567 /APPS  
 L3 4 SEA SPE=ON ABB=ON PLU=ON US2006-583567 /APPS  
 D SCA  
 SEL RN

FILE 'REGISTRY' ENTERED AT 11:38:58 ON 24 APR 2009

L4 34 SEA SPE=ON ABB=ON PLU=ON (119-36-8/BI OR 125043-67-6/BI OR  
 153805-04-0/BI OR 163777-01-3/BI OR 19438-10-9/BI OR 215459-10-  
 2/BI OR 26817-68-5/BI OR 755031-34-6/BI OR 795297-83-5/BI OR  
 795297-84-6/BI OR 795297-85-7/BI OR 795297-86-8/BI OR 795297-87-  
 9/BI OR 795297-93-7/BI OR 795297-94-8/BI OR 795297-95-9/BI OR  
 795297-96-0/BI OR 795297-97-1/BI OR 795297-98-2/BI OR 855774-49-  
 1/BI OR 855774-50-4/BI OR 855774-51-5/BI OR 855774-52-6/BI OR  
 855774-53-7/BI OR 855774-54-8/BI OR 855774-55-9/BI OR 855774-56-  
 0/BI OR 855774-57-1/BI OR 855774-58-2/BI OR 855774-59-3/BI OR  
 855774-60-6/BI OR 855774-61-7/BI OR 855774-62-8/BI OR 99-76-3/B  
 I)  
 D SCA  
 L5 47 SEA SSS FUL L1  
 SAVE TEMP L5 G00567STR1L/A

FILE 'ZCAPLUS' ENTERED AT 11:40:55 ON 24 APR 2009

L6 5 SEA SPE=ON ABB=ON PLU=ON L5  
 D SCA

FILE 'REGISTRY' ENTERED AT 11:43:50 ON 24 APR 2009

D SCA L5

FILE 'BEILSTEIN' ENTERED AT 11:47:14 ON 24 APR 2009

L7 1 SEA SSS SAM L1  
 L8 4 SEA SSS FUL L1  
 L9 4 SEA SPE=ON ABB=ON PLU=ON L8 AND BABSAN/FA  
 SEL BABSAN

FILE 'BABS' ENTERED AT 11:48:10 ON 24 APR 2009

L10 1 SEA SPE=ON ABB=ON PLU=ON 6570992/BABSAN

FILE 'ZCAPLUS, BABS' ENTERED AT 11:48:19 ON 24 APR 2009

L11 5 DUP REM L6 L10 (1 DUPLICATE REMOVED)  
 ANSWERS '1-5' FROM FILE ZCAPLUS

FILE 'WPIX' ENTERED AT 11:48:24 ON 24 APR 2009

L\*\*\* DEL 200189 S L!  
 L12 7 SEA SSS SAM L1  
 L13 42 SEA SSS FUL L1  
 L14 2 SEA SPE=ON ABB=ON PLU=ON L13/DCR

FILE 'MARPAT' ENTERED AT 11:49:24 ON 24 APR 2009

10/583567

L15 1 SEA SSS SAM L1  
L16 6 SEA SSS FUL L1  
L17 5 SEA SPE=ON ABB=ON PLU=ON L16/COM

FILE 'ZCAPLUS' ENTERED AT 11:51:14 ON 24 APR 2009

SET NOTICE OFF DISPLAY  
SET NOTICE OFF SEARCH

L18 120 SEA SPE=ON ABB=ON PLU=ON BEAU J?/AU  
L19 86 SEA SPE=ON ABB=ON PLU=ON DENARIE J?/AU  
L20 543 SEA SPE=ON ABB=ON PLU=ON GREINER A?/AU  
L21 4 SEA SPE=ON ABB=ON PLU=ON GRENOUILLAT N?/AU  
L22 62 SEA SPE=ON ABB=ON PLU=ON MAILLET F?/AU  
L23 18 SEA SPE=ON ABB=ON PLU=ON VAUZEILLES B?/AU  
L24 1 SEA SPE=ON ABB=ON PLU=ON L18 AND L19 AND L20 AND L21 AND  
L22 AND L23  
L25 11 SEA SPE=ON ABB=ON PLU=ON L18 AND (L19 OR L20 OR L21 OR L22  
OR L23)  
L26 25 SEA SPE=ON ABB=ON PLU=ON L19 AND (L20 OR L21 OR L22 OR L23)  
L27 1 SEA SPE=ON ABB=ON PLU=ON L20 AND (L21 OR L22 OR L23)  
L28 3 SEA SPE=ON ABB=ON PLU=ON L21 AND (L22 OR L23)  
L29 1 SEA SPE=ON ABB=ON PLU=ON L22 AND L23  
L30 34 SEA SPE=ON ABB=ON PLU=ON L25 OR L26 OR L27 OR L28 OR L29  
L31 4 SEA SPE=ON ABB=ON PLU=ON L25 AND (L26 OR L27 OR L28 OR L29)  
L32 1 SEA SPE=ON ABB=ON PLU=ON L26 AND (L27 OR L28 OR L29)  
L33 1 SEA SPE=ON ABB=ON PLU=ON L27 AND (L28 OR L29)  
L34 1 SEA SPE=ON ABB=ON PLU=ON L28 AND L29  
L35 4 SEA SPE=ON ABB=ON PLU=ON L31 OR L32 OR L33 OR L34

FILE 'MEDLINE' ENTERED AT 11:52:50 ON 24 APR 2009

L36 65 SEA SPE=ON ABB=ON PLU=ON BEAU J?/AU  
L37 45 SEA SPE=ON ABB=ON PLU=ON DENARIE J?/AU  
L38 209 SEA SPE=ON ABB=ON PLU=ON GREINER A?/AU  
L39 1 SEA SPE=ON ABB=ON PLU=ON GRENOUILLAT N?/AU  
L40 76 SEA SPE=ON ABB=ON PLU=ON MAILLET F?/AU  
L41 5 SEA SPE=ON ABB=ON PLU=ON VAUZEILLES B?/AU  
L42 0 SEA SPE=ON ABB=ON PLU=ON L36 AND L37 AND L38 AND L39 AND  
L40 AND L41  
L43 4 SEA SPE=ON ABB=ON PLU=ON L36 AND (L37 OR L38 OR L39 OR L40  
OR L41)  
L44 16 SEA SPE=ON ABB=ON PLU=ON L37 AND (L38 OR L39 OR L40 OR L41)  
L45 0 SEA SPE=ON ABB=ON PLU=ON L38 AND (L39 OR L40 OR L41)  
L46 1 SEA SPE=ON ABB=ON PLU=ON L39 AND (L40 OR L41)  
L47 0 SEA SPE=ON ABB=ON PLU=ON L40 AND L41  
L48 19 SEA SPE=ON ABB=ON PLU=ON L43 OR L44 OR L45 OR L46 OR L47  
L49 2 SEA SPE=ON ABB=ON PLU=ON L43 AND (L44 OR L45 OR L46 OR L47)  
L50 0 SEA SPE=ON ABB=ON PLU=ON L44 AND (L45 OR L46 OR L47)  
L51 0 SEA SPE=ON ABB=ON PLU=ON L45 AND (L46 OR L47)  
L52 0 SEA SPE=ON ABB=ON PLU=ON L46 AND L47  
L53 2 SEA SPE=ON ABB=ON PLU=ON L49 OR L50 OR L51 OR L52

FILE 'EMBASE' ENTERED AT 11:53:06 ON 24 APR 2009

L54 67 SEA SPE=ON ABB=ON PLU=ON BEAU J?/AU  
L55 23 SEA SPE=ON ABB=ON PLU=ON DENARIE J?/AU  
L56 177 SEA SPE=ON ABB=ON PLU=ON GREINER A?/AU  
L57 0 SEA SPE=ON ABB=ON PLU=ON GRENOUILLAT N?/AU  
L58 57 SEA SPE=ON ABB=ON PLU=ON MAILLET F?/AU

L59 4 SEA SPE=ON ABB=ON PLU=ON VAUZEILLES B?/AU  
 L60 0 SEA SPE=ON ABB=ON PLU=ON L54 AND L55 AND L56 AND L57 AND  
 L58 AND L59  
 L61 1 SEA SPE=ON ABB=ON PLU=ON L54 AND (L55 OR L56 OR L57 OR L58  
 OR L59)  
 L62 8 SEA SPE=ON ABB=ON PLU=ON L55 AND (L56 OR L57 OR L58 OR L59)  
 L63 0 SEA SPE=ON ABB=ON PLU=ON L56 AND (L57 OR L58 OR L59)  
 L64 0 SEA SPE=ON ABB=ON PLU=ON L57 AND (L58 OR L59)  
 L65 0 SEA SPE=ON ABB=ON PLU=ON L58 AND L59  
 L66 9 SEA SPE=ON ABB=ON PLU=ON L61 OR L62 OR L63 OR L64 OR L65

FILE 'BIOSIS' ENTERED AT 11:53:20 ON 24 APR 2009

L67 88 SEA SPE=ON ABB=ON PLU=ON BEAU J?/AU  
 L68 72 SEA SPE=ON ABB=ON PLU=ON DENARIE J?/AU  
 L69 199 SEA SPE=ON ABB=ON PLU=ON GREINER A?/AU  
 L70 0 SEA SPE=ON ABB=ON PLU=ON GRENOUILLAT N?/AU  
 L71 89 SEA SPE=ON ABB=ON PLU=ON MAILLET F?/AU  
 L72 5 SEA SPE=ON ABB=ON PLU=ON VAUZEILLES B?/AU  
 L73 0 SEA SPE=ON ABB=ON PLU=ON L67 AND L68 AND L69 AND L70 AND  
 L71 AND L72  
 L74 3 SEA SPE=ON ABB=ON PLU=ON L67 AND (L68 OR L69 OR L70 OR L71  
 OR L72)  
 L75 24 SEA SPE=ON ABB=ON PLU=ON L68 AND (L69 OR L70 OR L71 OR L72)  
 L76 0 SEA SPE=ON ABB=ON PLU=ON L69 AND (L70 OR L71 OR L72)  
 L77 0 SEA SPE=ON ABB=ON PLU=ON L70 AND (L71 OR L72)  
 L78 0 SEA SPE=ON ABB=ON PLU=ON L71 AND L72  
 L79 26 SEA SPE=ON ABB=ON PLU=ON L74 OR L75 OR L76 OR L77 OR L78  
 L80 1 SEA SPE=ON ABB=ON PLU=ON L74 AND (L75 OR L76 OR L77 OR L78)  
 L81 0 SEA SPE=ON ABB=ON PLU=ON L75 AND (L76 OR L77 OR L78)  
 L82 0 SEA SPE=ON ABB=ON PLU=ON L76 AND (L77 OR L78)  
 L83 0 SEA SPE=ON ABB=ON PLU=ON L77 AND L78  
 L84 1 SEA SPE=ON ABB=ON PLU=ON L80 OR L81 OR L82 OR L83

FILE 'WPIX' ENTERED AT 11:53:35 ON 24 APR 2009

L85 16 SEA SPE=ON ABB=ON PLU=ON BEAU J?/AU  
 L86 4 SEA SPE=ON ABB=ON PLU=ON DENARIE J?/AU  
 L87 92 SEA SPE=ON ABB=ON PLU=ON GREINER A?/AU  
 L88 1 SEA SPE=ON ABB=ON PLU=ON GRENOUILLAT N?/AU  
 L89 4 SEA SPE=ON ABB=ON PLU=ON MAILLET F?/AU  
 L90 2 SEA SPE=ON ABB=ON PLU=ON VAUZEILLES B?/AU  
 L91 1 SEA SPE=ON ABB=ON PLU=ON L85 AND L86 AND L87 AND L88 AND  
 L89 AND L90  
 L92 1 SEA SPE=ON ABB=ON PLU=ON L85 AND (L86 OR L87 OR L88 OR L89  
 OR L90)  
 L93 3 SEA SPE=ON ABB=ON PLU=ON L86 AND (L87 OR L88 OR L89 OR L90)  
 L94 1 SEA SPE=ON ABB=ON PLU=ON L87 AND (L88 OR L89 OR L90)  
 L95 1 SEA SPE=ON ABB=ON PLU=ON L88 AND (L89 OR L90)  
 L96 1 SEA SPE=ON ABB=ON PLU=ON L89 AND L90  
 L97 3 SEA SPE=ON ABB=ON PLU=ON L92 OR L93 OR L94 OR L95 OR L96  
 SET NOTICE LOGIN DISPLAY  
 SET NOTICE LOGIN SEARCH  
 L98 4 SEA SPE=ON ABB=ON PLU=ON (L18 OR L19 OR L20 OR L21 OR L22  
 OR L23) AND ?NODUL?/BI

FILE 'ZCAPLUS' ENTERED AT 11:55:49 ON 24 APR 2009

L99 79 SEA SPE=ON ABB=ON PLU=ON (L18 OR L19 OR L20 OR L21 OR L22

```

      OR L23) AND ?NODUL?/BI
L100      25 SEA SPE=ON ABB=ON PLU=ON L30 AND L99
L101      4 SEA SPE=ON ABB=ON PLU=ON L35 AND L99

      FILE 'MEDLINE' ENTERED AT 11:58:11 ON 24 APR 2009
L102      2 SEA SPE=ON ABB=ON PLU=ON L53 AND ?NODUL?

      FILE 'EMBASE' ENTERED AT 11:58:26 ON 24 APR 2009
L103      8 SEA SPE=ON ABB=ON PLU=ON L66 AND ?NODUL?

      FILE 'BIOSIS' ENTERED AT 11:58:53 ON 24 APR 2009
L104      1 SEA SPE=ON ABB=ON PLU=ON L84 AND ?NODUL?

      FILE 'ZCAPLUS' ENTERED AT 11:59:12 ON 24 APR 2009
L105      28274 SEA SPE=ON ABB=ON PLU=ON ?SACCHARID?/BI (L) PREP/RL
L106      3 SEA SPE=ON ABB=ON PLU=ON (L35 OR L101) AND L105
L107      6 SEA SPE=ON ABB=ON PLU=ON L30 AND L105
L108      26 SEA SPE=ON ABB=ON PLU=ON (L18 OR L19 OR L20 OR L21 OR L22
      OR L23) AND L105
L109      53020 SEA SPE=ON ABB=ON PLU=ON L108 AND NOD/BI OR ?NODUL?/BI
L110      3 SEA SPE=ON ABB=ON PLU=ON L108 AND (NOD/BI OR ?NODUL?/BI)

      FILE 'MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 12:02:11 ON 24 APR 2009
L111      66 SEA SPE=ON ABB=ON PLU=ON (L18 OR L19 OR L20 OR L21 OR L22
      OR L23) AND ?SACCHARID? AND (NOD OR ?NODUL?)
L112      38 DUP REM L111 (28 DUPLICATES REMOVED)
      ANSWERS '1-27' FROM FILE MEDLINE
      ANSWERS '28-35' FROM FILE BIOSIS
      ANSWERS '36-38' FROM FILE WPIX
      D TRIAL 1-5

      FILE 'REGISTRY' ENTERED AT 12:03:44 ON 24 APR 2009
      SET SMARTSELECT ON
L113      SEL PLU=ON L5 1- CHEM :      47 TERMS
      SET SMARTSELECT OFF

      FILE 'MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 12:03:45 ON 24 APR 2009
L114      0 SEA SPE=ON ABB=ON PLU=ON L113

      FILE 'MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 12:04:50 ON 24 APR 2009
L115      32 SEA SPE=ON ABB=ON PLU=ON L48 AND ?SACCHARID? AND (NOD OR
      ?NODUL?)

      FILE 'REGISTRY' ENTERED AT 12:06:02 ON 24 APR 2009

      FILE 'ZCAPLUS' ENTERED AT 12:06:05 ON 24 APR 2009
      D STAT QUE L35
      D STAT QUE L101
      D STAT QUE L106
      D STAT QUE L107
      D STAT QUE L108
      D STAT QUE L110
L116      27 SEA SPE=ON ABB=ON PLU=ON L35 OR L101 OR L106 OR L107 OR
      L108 OR L110

      FILE 'MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 12:07:00 ON 24 APR 2009
      D STAT QUE L115

      FILE 'ZCAPLUS, MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 12:07:17 ON 24
      APR 2009

```

10/583567

```
L117      41 DUP REM L116 L115 (18 DUPLICATES REMOVED)
          ANSWERS '1-27' FROM FILE ZCAPLUS
          ANSWERS '28-37' FROM FILE MEDLINE
          ANSWERS '38-39' FROM FILE BIOSIS
          ANSWERS '40-41' FROM FILE WPIX
          D IBIB ABS HITIND L117 1-27
          D IALL L117 28-41

FILE 'REGISTRY' ENTERED AT 12:08:42 ON 24 APR 2009

FILE 'ZCAPLUS' ENTERED AT 12:08:45 ON 24 APR 2009
  D STAT QUE L6

FILE 'BABS' ENTERED AT 12:08:53 ON 24 APR 2009
  D STAT QUE L10

FILE 'WPIX' ENTERED AT 12:08:59 ON 24 APR 2009
  D STAT QUE L14

FILE 'MARPAT' ENTERED AT 12:09:07 ON 24 APR 2009
  D STAT QUE L17

FILE 'ZCAPLUS, BABS, WPIX, MARPAT' ENTERED AT 12:09:22 ON 24 APR 2009
L118      6 DUP REM L6 L10 L14 L17 (7 DUPLICATES REMOVED)
          ANSWERS '1-5' FROM FILE ZCAPLUS
          ANSWER '6' FROM FILE MARPAT
          D IBIB ABS HITSTR L118 1-5
          D IBIB ABS QHIT L118 6
```

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 APR 2009 HIGHEST RN 1138219-76-7

DICTIONARY FILE UPDATES: 22 APR 2009 HIGHEST RN 1138219-76-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

FILE ZCAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the

10/583567

EMBASE was reloaded on March 30, 2008.

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

Beginning January 2008, Elsevier will no longer provide EMTREE codes as part of the EMTREE thesaurus in EMBASE. Please update your current-awareness alerts (SDIs) if they contain EMTREE codes.

For further assistance, please contact your local helpdesk.

FILE BIOSIS

FILE COVERS 1926 TO DATE.

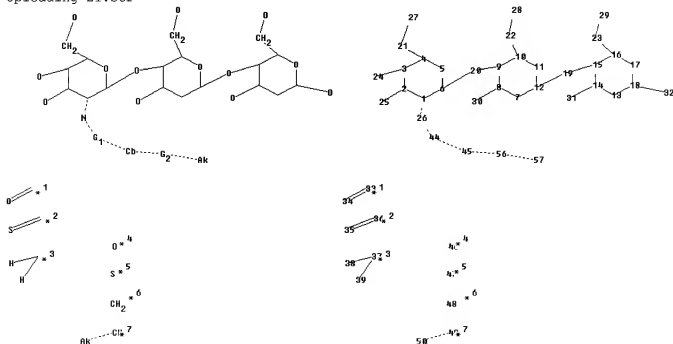
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 22 April 2009 (20090422/ED)

BIOSIS has been augmented with 1.8 million archival records from 1926 through 1968. These records have been re-indexed to match current BIOSIS indexing.

=>

Uploading L1.str



chain nodes :

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39  
44 45 46 47 48 49 50 56 57

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

chain bonds :

1-26 2-25 3-24 4-21 6-20 8-30 9-20 10-22 12-19 14-31 15-19 16-23 18-32

10/583567

```
21-27 22-28 23-29 26-44 33-34 35-36 37-38 37-39 44-45 45-56 49-50 56-57
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-
15
15-16 16-17 17-18
exact/norm bonds :
1-2 1-6 1-26 2-3 2-25 3-4 3-24 4-5 5-6 6-20 7-8 7-12 8-9 8-30 9-10
9-20 10-11 11-12 12-19 13-14 13-18 14-15 14-31 15-16 15-19 16-17 17-18
18-32 26-44 33-34
35-36 44-45 45-56 49-50 56-57
exact bonds :
4-21 10-22 16-23 21-27 22-28 23-29 37-38 37-39
```

G1:[\*1],[\*2],[\*3]

G2:[\*4],[\*5],[\*6],[\*7]

Match level :

```
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS
44:CLASS 45:Atom
46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:CLASS 56:CLASS 57:CLASS
Generic attributes :
45:
Saturation : Unsaturated
```